

Comparisons of Job Characteristics

Focus Occupation: [Operating Engineers and Other Construction Equipment Operators \(47-2073\)](#)

Associated Occupation: [Paving, Surfacing, and Tamping Equipment Operators \(47-2071\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Paving, Surfacing, and Tamping Equipment Operators (47-2071)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	15.6	15.0	0 Current knowledge level may be sufficient
Mechanical	6.8	13.5	13.4	0 Current knowledge level may be sufficient
Public Safety and Security	6.9	9.9	10.5	0 Current knowledge level may be sufficient
Transportation	4.6	9.7	5.8	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Paving, Surfacing, and Tamping Equipment Operators (47-2071)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	9.8	10.0	0 Current skill level may be sufficient
Operation and Control	5.4	9.1	13.4	>> Skill level is likely more than sufficient
Equipment Maintenance	3.5	8.2	6.9	< A higher skill level may be required
Repairing	3.4	8.1	6.4	< A higher skill level may be required
Troubleshooting	4.5	7.2	6.6	0 Current skill level may be sufficient
Equipment Selection	3.3	6.9	4.9	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Multilimb Coordination	6.0	11.9	13.2	>	Current ability level is likely sufficient
Control Precision	6.6	11.4	12.6	>	Current ability level is likely sufficient
Depth Perception	5.3	10.0	12.2	>	Current ability level is likely sufficient
Reaction Time	4.8	9.5	9.7	0	Current ability level may be sufficient
Static Strength	5.0	9.3	7.1	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	8.9	8.1	0	Current ability level may be sufficient
Rate Control	3.8	8.1	8.6	0	Current ability level may be sufficient
Glare Sensitivity	2.6	6.7	5.5	<	Some improvement in abilities may be required
Spatial Orientation	2.7	6.5	5.3	<	Some improvement in abilities may be required
Peripheral Vision	2.2	5.4	5.1	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Paving, Surfacing, and Tamping Equipment Operators (47-2071)

Work Activities	Exclusivity of Activity
Install equipment or attachments on machinery or related structures	48
Maintain or repair construction machinery or equipment	77
Operate earth-moving or other heavy construction equipment	80
Understand construction specifications	53
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Paving, Surfacing, and Tamping Equipment Operators (47-2071)

Tools and Technologies	Exclusivity
Computers	1
Earth moving machinery	11
Finance accounting and enterprise resource planning ERP software	2
Forming tools	2
Heating equipment and parts and accessories	19
Heavy equipment components	21
Indicating and recording instruments	2
Machinery for working wood and stone and ceramic and the like	12
Measuring and layout tools	3
Paint applicators and painting accessories	15
Paving equipment	35
Personal communication devices	2
Pneumatic tools	8
Power tools	2
Product and material trailers	24
Product and material transport vehicles	13
Respiratory protection	6
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.